

## Title (en)

Substituted tetrahydro-5-nitro-pyrimidines and their use as pesticides

## Title (de)

Substituierte Tetrahydro-5-nitro-pyrimidine und deren Verwendung zur Bekämpfung von tierischen Schädlingen

## Title (fr)

Tétrahydro-5-nitro-pyrimidines et leur application comme pesticides

## Publication

**EP 0758652 A1 19970219 (DE)**

## Application

**EP 96112214 A 19960729**

## Priority

DE 19529411 A 19950810

## Abstract (en)

Tetrahydro-5-nitro-pyrimidine derivs. of formula (I) are new. n = 0 or 1; R<1> = opt. substd. pyridyl or thiazolyl; R<2> = -C(Alk<1>)(Alk<2>)-(CH<sub>2</sub>)<sup>m</sup>-R<3>, -(CH<sub>2</sub>)<sup>m</sup>-C(Alk<1>)(Alk<2>)-R<3>, -CH(Alk<1>)-CH<sub>2</sub>-C(Alk<2>)(Alk<3>)-R<3>, -CH(Alk<1>)-CH(Alk<2>)-CH<sub>2</sub>-R<3>, -CH(Alk)-R<3>, -CH<sub>2</sub>-CH(Alk<1>)-CH<sub>2</sub>-R<3>, -CH(Alk<1>)-CH<sub>2</sub>-CH<sub>2</sub>-R<3>, -CH<sub>2</sub>-CH(Alk<1>)-R<sub>3</sub>, -C(Alk<1>)(Alk<2>)-C IDENTICAL CH, -CH<sub>2</sub>-C(Alk<1>)(Alk<2>)-CH<sub>2</sub>Hal, -CH<sub>2</sub>-C(Alk<1>)(Alk<2>)-CH<sub>2</sub>-N(Alk<4>)(Alk<5>), -C(Alk<1>)(Alk<2>)-CH<sub>2</sub>-N(Alk<4>)(Alk<5>), -CH(Alk<1>)-(CH<sub>2</sub>)<sup>p</sup>-N(Alk<4>)(Alk<5>), -C(Alk<1>)(Alk<2>)-CH<sub>2</sub>-(N-piperidinyl), -CH<sub>2</sub>-C(Alk<1>)(Alk<2>)-(N-piperidinyl), -C(Alk<1>)(Alk<2>)-CH<sub>2</sub>-CH<sub>2</sub>-OH, -CH<sub>2</sub>-C(Alk<1>)(Alk<2>)-O-Alk<6>, -CH<sub>2</sub>-CH(Alk<1>)-CH<sub>2</sub>-O-Alk<6>, -CH(Alk<1>)-CH<sub>2</sub>-CH<sub>2</sub>-O-Alk<6>, -C(Alk<1>)(Alk<2>)-CH<sub>2</sub>-O-Alk<6>, -C(Alk<1>)(Alk<2>)-C IDENTICAL C-R<4>, -CH<sub>2</sub>-C(Alk<1>)=CH-R<4>, -CH(Alk<1>)-(CH<sub>2</sub>)<sup>r</sup>-X-(CH<sub>2</sub>)<sup>s</sup>-R<5>, -C(Alk<1>)(Alk<2>)-(CH<sub>2</sub>)<sup>r</sup>-X-(CH<sub>2</sub>)<sup>s</sup>-R<5> or -CH<sub>2</sub>-C(Alk<1>)(Alk<2>)-triazolyl; Alk = alkyl with at least one C atom; Alk<1> - Alk<6> = alkyl; Hal = halogen; m = 1 or 2; p - 1, 2 or 3; r, s = 1-4; R<3> = opt. substd. phenyl, pyridyl or N-morpholino; R<4> = opt. substd. phenyl or thienyl; R<5> = opt. substd. phenyl, naphthyl or pyridyl; X = O, S or NAlk<7>, where Alk<7> = alkyl.

## Abstract (de)

Die vorliegende Erfindung betrifft neue substituierte daß man Tetrahydro-5-nitro-pyrimidin der Formel (I) gemäß Anspruch 1 <IMAGE> in welcher n, R<1>, R<2> die in der Beschreibung angegebene Bedeutung haben, ein Verfahren zu ihrer Herstellung und ihre Verwendung zur Bekämpfung von tierischen Schädlingen, insbesondere von Insekten, Spinnentieren und Nematoden, die in der Landwirtschaft, in den Forsten, im Vorrats- und Materialschutz sowie auf dem Hygienesektor vorkommen.

## IPC 1-7

**C07D 487/04; A01N 43/90**

## IPC 8 full level

**A01N 43/90** (2006.01); **C07D 487/04** (2006.01)

## CPC (source: EP KR US)

**A01N 43/90** (2013.01 - EP US); **C07D 471/04** (2013.01 - KR); **C07D 487/04** (2013.01 - EP US)

## Citation (search report)

- [DX] EP 0316845 A2 19890524 - BAYER AG [DE]
- [DX] EP 0316843 A2 19890524 - BAYER AG [DE]
- [X] EP 0247477 A1 19871202 - BAYER AG [DE]
- [A] WO 9405670 A1 19940317 - DU PONT [US], et al

## Cited by

US7084158B2; WO03017764A1

## Designated contracting state (EPC)

BE CH DE ES FR GB IT LI NL

## DOCDB simple family (publication)

**DE 19529411 A1 19970213**; BR 9603376 A 19980512; CN 1151404 A 19970611; DE 59611118 D1 20041125; EP 0758652 A1 19970219; EP 0758652 B1 20041020; ES 2231795 T3 20050516; JP H09183780 A 19970715; KR 100467976 B1 20050422; KR 970010767 A 19970327; US 5677307 A 19971014

## DOCDB simple family (application)

**DE 19529411 A 19950810**; BR 9603376 A 19960809; CN 96112278 A 19960810; DE 59611118 T 19960729; EP 96112214 A 19960729; ES 96112214 T 19960729; JP 22324696 A 19960807; KR 19960032865 A 19960807; US 69183496 A 19960802